

Northwest Pipe and Casing Superfund Site Five-Year Review Results & Progress Update

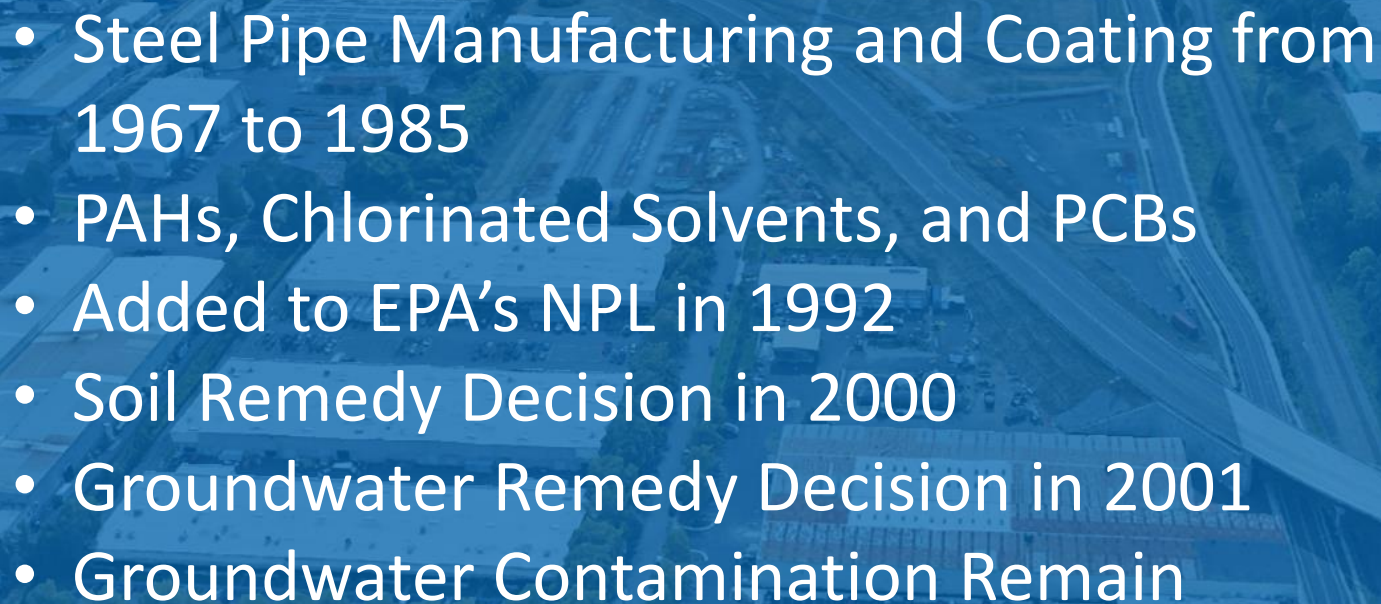
Chris Zell, Remedial Project Manager

Julie Congdon, Community Involvement Coordinator

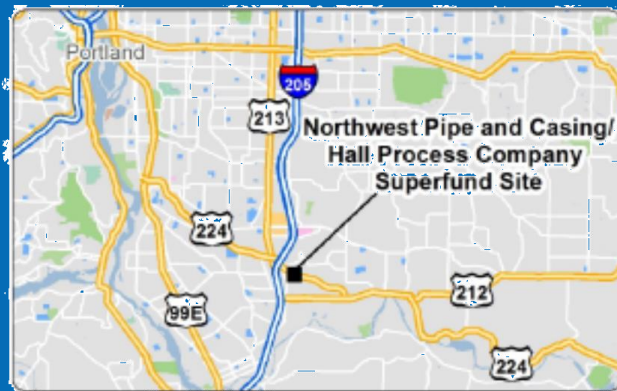
Outline

1. Quick Overview
2. What's Going On at the Site?
3. Five Year Review Results
4. Upcoming Groundwater Studies
5. Discussion and Feedback

Overview

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- Steel Pipe Manufacturing and Coating from 1967 to 1985
 - PAHs, Chlorinated Solvents, and PCBs
 - Added to EPA's NPL in 1992
 - Soil Remedy Decision in 2000
 - Groundwater Remedy Decision in 2001
 - Groundwater Contamination Remain

Overview



What's Happening

2019 – 2020	Sitewide groundwater monitoring
January 2021	Change in EPA site manager
March 2021	Five Year Review inspection
April 2021	Soil Cap and Wetland Inspections
July 2021 +	Groundwater study contracting
September 2021	Five Year Review complete
2022— 2025	Groundwater Feasibility Study

Five Year Reviews

“The wise adapt themselves to circumstances, as water moulds itself to the pitcher.” – Chinese Proverb

The authors of CERCLA were adaptive managers when they wrote:

If a remedial action is selected that results in hazardous substances, pollutants, or contaminants remaining at the site above levels that allow for unlimited use and unrestricted exposure, the lead agency shall review such action no less often than every five years after initiation of the selected remedial action. -40 CFR 300.430(f)(4)(ii)

FYRs at NWPC in 2006, 2011, 2016, **2021**

Fourth 'Five Year Review' at NWP&C

- Determines if a remedy at a Site continues to protect human health and the environment
- Includes Recommendations and Protectiveness Determinations
- Completed on September 8, 2021

Available online at:

semspub.epa.gov/work/10/100348906.pdf

FOURTH FIVE-YEAR REVIEW REPORT FOR
NORTHWEST PIPE & CASING/HALL PROCESS COMPANY SUPERFUND SITE
CLACKAMAS COUNTY, OREGON



Prepared by

U.S. Environmental Protection Agency
Region 10
Seattle, Washington

CALVIN
TERADA

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Calvin J. Terada
Division Director

Date

Bottomline Upfront – Conclusions

Operable Unit 1 – Soils

Protective



- Soil cover and paved areas prevent exposure
- Institutional controls and O&M program are in place to maintain cover and restrict future land use.

Operable Unit 2 - Groundwater

Short-Term Protective



- Institutional controls in place to restrict on-property exposure
- No known exposure in off-property parcels
- Recommendations for long-term protectiveness (next slides)

Five Year Review Outcomes

Operable Unit 2 - Groundwater

Issues and Recommendations

Update Remedy	Expand Monitoring	Evaluate Institutional Controls	Assess Additional Contaminants
<ul style="list-style-type: none">Conduct Focused Feasibility Study	<ul style="list-style-type: none">Delineate off-property plume(s)	<ul style="list-style-type: none">Determine if ICs are needed off-property	<ul style="list-style-type: none">Determine if DCE, ethylbenzene, or naphthalene should be COCs
<ul style="list-style-type: none">Fill Data Gaps	<ul style="list-style-type: none">By 11/30/2023	<ul style="list-style-type: none">By 11/30/2023	<ul style="list-style-type: none">By 2/1/2025
<ul style="list-style-type: none">Update Site Model			
<ul style="list-style-type: none">Assess degradation of COCs			
<ul style="list-style-type: none">By: 2/1/2025			

Up Next, Focused Feasibility Study Operable Unit 2 - Groundwater

#1 FYR Recommendation

- Collect additional data
- Delineate plumes
- Characterize sources
- Select updated remedy
- Coordinate site access
- 2022 - 2025

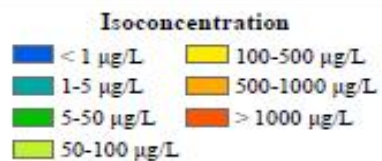


Figure 8
2019 TCE Concentrations
 NORTHWEST PIPE AND CASING
 Clackamas, Oregon



Discussion and Questions?



Thank You!

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